

WHAT IS CLAIMED IS:

Sub 17 *Add C1*
1. A battery charging/discharging apparatus for determining the remaining capacity of a battery, comprising:
measuring means for measuring a standby time of the battery;

correction value calculating means for calculating a correction value for the remaining capacity of the battery based on the standby time measured by said measuring means; and

correcting means for correcting a current remaining capacity value of the battery based on the correction value calculated by said correction value calculating means.

2. A battery charging/discharging apparatus according to Claim 1, further comprising determining means for determining whether or not the standby time has reached a predetermined time,

wherein said correction value calculating means calculates the correction value for the remaining capacity of the battery at a predetermined time interval based on the result of said determining means.

3. A battery charging/discharging method of a battery charging/discharging apparatus for determining the remaining

Sub 17 capacity of a battery, said battery charging/discharging method comprising the steps of:

measuring a standby time of the battery;

calculating a correction value for the remaining capacity of the battery based on the standby time measured in the measuring step; and

correcting a current remaining capacity value of the battery based on the correction value calculated in the calculating step.

4. A battery charging/discharging apparatus for determining the remaining capacity of a battery, comprising:

detecting means for detecting a cell voltage;

reading means for reading an appropriate remaining capacity value based on the cell voltage detected by said detecting means;

comparing means for comparing the appropriate remaining capacity value read by said reading means with a currently stored remaining capacity value; and

updating means for updating the currently stored remaining capacity value based on the result of said comparing means.

5. A battery charging/discharging apparatus according to Claim 4, further comprising setting means for setting the

~~Sub~~ appropriate remaining capacity value that is suitable for the cell voltage.

6. A battery charging/discharging method of a battery charging/discharging apparatus for determining the remaining capacity of a battery, said battery charging/discharging method comprising the steps of:

detecting a cell voltage;

reading an appropriate remaining capacity value based on the cell voltage detected in the detecting step;

comparing the appropriate remaining capacity value read in the reading step with a currently stored remaining capacity value; and

updating the currently stored remaining capacity value based on the result in the comparing step.

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